

From: "Robert Kohnen" <rkohnen@eratech.com>
To: "Burl Maupin" <Burl.Maupin@state.tn.us>
Date: 2/4/2005 8:44:28 AM
Subject: RE: Spent Potliner

SITE: Smokey Mountain
BREAK: 11.14
OTHER: v.3

Burl,

Thanks for your compliment on the SPL article.

I have passed your questions onto Dave Gossman who has had more hands-on experience with SPL than I. He says:

"Yes the analysis suggests that it is first cut and therefore hazardous waste - assuming it is in the US. I would note that they did not do a fluoride analysis but I would expect it to be 6-8% based on the rest of this analysis. I also think this analysis may not be fully representative. Based on my experience the metals and fluoride are usually higher. The last picture look a little more like it might be second cut material that may not be hazardous. As an older facility it may have just been mixed in. A more thorough analysis and characterization of what is there will be needed to get this into a cement plant."

If you need anymore assistance, please do not hesitate to contact us.

Regards,

Bob

-----Original Message-----

From: Burl Maupin [mailto:Burl.Maupin@state.tn.us]
Sent: Thursday, February 03, 2005 10:25 AM
To: rkohnen@eratech.com
Subject: Spent Potliner

I have read your "Disposal Options For Spent Potliner" on the internet. Can you send me some photographs of spent potliners?

I have been investigating an inactive secondary aluminum smelter. There are piles of what appears to be carbon blocks. Could this be spent potliner materials? I am attaching a few photographs. Below is an analysis.

INORGANICS INSIDE BUILDING WASTE SAMPLE

aluminum, Al	88800
ammonia, NH3	132
antimony, Sb	5
arsenic, As	7
barium, Ba	111
beryllium, Be	2
cadmium, Cd	U
calcium, Ca	5850
chromium, Cr	52
cobalt, Co	6
copper, Cu	1080
cyanide, CN	U



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iron, Fe	14800
lead, Pb	53
magnesium, Mg	9060
manganese, Mn	388
mercury, Hg	U
nickel, Ni	169
potassium, K	15000
selenium, Se	1
silver, Ag	U
sodium, Na	47400
vanadium, V	49
zinc, Zn	1350

U - analyte requested but not detected (TAL/TCL parameters not listed
were not detected in any samples)

UNITS: mg/kg

CC: "Dave Gossman" <dgossman@gcisolutions.com>